

## MATH 308 HOMEWORK 1, DUE JANUARY 26

### INSTRUCTIONS

- Write your name, Math 308, and the homework number.
  - Write down the names of the people you worked with.
  - Write down any resources you used other than ones that most of your classmates would be familiar with, such as the textbook or Wikipedia.
  - Write down the number of hours it took you to complete this assignment.
- Explain how to solve each problem.
  - Write your solutions as if they are to be the published solutions to this problem set. Imagine that you are explaining to your peers how to approach the problem. Your imaginary audience of peers should come away convinced that your solution is correct and capable of solving similar problems on their own.
  - Answers alone won't get any credit, especially since you can often find them in the back of the book.
- Hand in your homework in class.

### PROBLEMS

- (1) Read the syllabus. Check that you don't have any conflicts with the in-class midterm dates. If you have any conflicts, please send me an email, and we'll try to schedule something that works for everyone. If you have no conflicts, write down the dates of the two midterms, and write that you don't have conflicts with them.
- (2) In chapter 6, section 3, do problems 3, 4, 15, and 17.
- (3) In chapter 6, section 4, do problems 2 and 4.